

EG&G ER Program
Rocky Flats Plant

(1/11/90)

ER PROGRAM DATA ASSESSMENT
SUMMARY REPORT FORM

Batch No. 8911S102 Site Area 2 - 881 Hillside
Laboratory Accu-Labs Research No. of Samples/Matrix 10/Water
Method Standard Methods Reviewer Org. TechLaw, Inc.
Sample Numbers G01741189004, G06811189004, G07811189004, G12861189004, G68861189004, G68861189004D, SW104008, SW104008D, SW080008, SW041008

Data Assessment Summary

	Oil/ Grease	Alkalinity	Chloride	Nitrate/ Nitrite	Sulfide/ Sulfate	Gravimetric	Comments
1. Holding Times	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>A</u>	<u>Action Item 1</u>
2. Calibrations	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	
3. Blanks	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>A</u>	<u>V</u>	<u>Action Items 2,3</u>
4. Lab Control Sample Results	<u>N/A</u>	<u>V</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>V</u>	
5. Duplicate Sample Results	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	
6. Matrix Spike Sample Results	<u>N/A</u>	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>N/A</u>	
7. Sample Verification	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>X</u>	<u>V</u>	<u>Comment 1</u>
8. Other QC	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>Data valid, or acceptable with qualifications</u>
9. Overall Assessment	<u>N/A</u>	<u>V</u>	<u>V</u>	<u>V</u>	<u>A</u>	<u>A</u>	

V = Data had no problems.

A = Data acceptable but qualified due to problems.

R = Data rejected.

X = Problems, but do not affect data.

N/A = Not applicable.

Data Quality: Data contained in this batch were reviewed and found to be valid, or acceptable with qualifications. Acceptable, qualified data may be used provided that individual values impacted by the "Action Items" listed below are appropriately flagged.
(Refer to attached Results Summary Tables).

"REVIEWED FOR CLASSIFICATION

By R. B. Hoffman (U)

Date 2-11-90

ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCN

By George H. Setlock

Date 6/27/90

102/Hk23j

A-DU01-000041

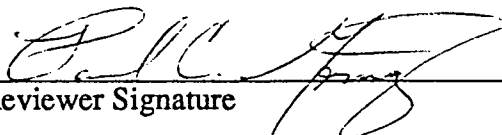
Action Items: 1) All TDS and TSS values are estimated (J) because holding times were exceeded.

2) The Chloride values for SW104008, SW080008, and SW41008 are estimated (J) because a blank was not analyzed after the run.

3) The Sulfate values for G01741189004, G06811189004, G07811189004, G12861189004, G68861189004, and G68861189004D are estimated (J) because a blank was not analyzed after the run.

Comments: 1) The Sulfate value for SW104008D is reported corrected due to a transcription error.

Note: Data Summary Tables are attached.


Reviewer Signature

01/11/90
Date

WATER QUALITY PARAMETERS

TABLE #: 8911S102

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SITE NAME: Area 2 - 881 Hillside

AQUEOUS ANALYSIS: Low Water

ANALYTICAL RESULTS (mg/L)

Sample Location																					
Sample Number	G01741189004	G06811189004	G07811189004	G12861189004	G68861189004	G68861189004D	SW104008	SW104008D	SW080008	SW041008											
Sample Date	11/20/89	11/21/89	11/20/89	11/21/89	11/21/89	11/21/89	11/21/89	11/20/89	11/20/89	11/20/89	11/20/89										
Remarks							Duplicate		Duplicate												
Water Quality	DL																				
Analyte	mg/L	DQ	DQ	DQ																	
Alkalinity																					
Bicarbonate	10	250 V	290 V	210 V	630 V	170 V	160 V	100 V	120 V	850 V	160 V										
Carbonate	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U										
Chloride	5	24.0 V	10.0 V	4.0 V	90.0 V	13.0 V	13.0 V	12.0 V	13.0 J	A	8.0 J	A	7.0 J	A							
Dissolved Oxygen	0.5																				
Grease & Oil	5																				
Hexavalent Chromium	0.01																				
Nitrate/Nitrite	5	5.5 V	11.0 V	0.07 V	0.05 U	V	0.05 U	V	0.05 U	V	1.0 V	1.6 V	1.0 V	0.05 U	V						
Sulfate	5	34.0 J	A	72.0 J	A	11.0 J	A	710 J	A	22.0 J	A	22.0 J	A	62.0 V	17.0 V	20.0 V	48.0 V				
Sulfide	5																				
TDS	5	360 J	A	490 J	A	260 J	A	1700 J	A	400 J	A	400 J	A	190 UJ	A	160 J	A	180 J	A	207 J	A
TSS	10	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	5.0 UJ	A	5.0 UJ	A	2000 J	A	150 J	A				
pH		7.4	7.2	7.3	7.1	7.2	7.2	6.9	7.2	6.9	6.9										

SITE NAME: _____
 SOIL ANALYSIS: _____

ANALYTICAL RESULTS (mg/Kg)

Sample Location																				
Sample Number																				
Sample Date																				
Percent Solids																				
Water Quality	DL																			
Analyte	mg/Kg																			
Chloride	60																			
Grease & Oil	60																			
Hexavalent Chromium	1																			
Nitrate/Nitrite	60																			
Sulfate	60																			
Sulfide	4																			
pH																				

U Indicates the compound was not detected above the Instrument Quantitation Limit
 J Quantitation is approximate due to limitations identified during the quality control review
 mg/Kg Milligrams per Kilogram
 E Exceeds Calibration Range
 DL Detection Limit
 N/R Not Reported

mg/L is Milligrams per Liter
 TDS is Total Dissolved Solids
 TSS is Total Suspended Solids

DQ Data Qualifier
 V Valid
 A Acceptable with qualifications
 R Rejected

s102L/rk23j